

Green energy was introduced to Vaagdevi Degree and PG College's campus in 2019 with a 100-KW solar on-grid system with net metering capability. Its goal: minimise carbon emissions while protecting the environment.

**Project Site:** Vaagdevi Degree and PG College, Hanamkonda, Warangal

**District Name:** Warangal

**Name of the State:** Telangana

**Location:** M/s Viswambhara Educational Society, Hanamkonda, Warangal

**Type of system:** 100 KWp solar Compact System

**Type of PV Modules:** Considered for the offer of Crystalline Poly

**Proposed Capacity:** 100Kwh

**Projected Module Area Required:** 6,319 Sq Feet

**The capacity of each Module proposed:** 325 W

**Inverter Capacity:** 50 KW(1), 30KW(1) – 2 Units (Delta Make)

**Projected Energy Production per year:** 1,50,000 Units/per year

**Total Project Cost:** 33, 00, 000

**Project maintenance for Next 25 years@50/% :** 16, 50, 000

**Total Project cost for 25 years:** 49, 50, 000

**For first 10 years average unit generation:** 15,00,000 units

**With an efficiency 90% Next 15 years average unit generation:** 20,25,000 units

**With an efficiency 90% Total average units generation for 25 years:** 35,25,500 units

Therefore Per unit cost generation = Total project cost/units generated = 49, 50, 000 /35,25,500

Per unit cost 1.40 /-



*A. Subhadharani*  
Principal  
VAAGDEVI DEGREE & P.G. COLLEGE  
Kishanpura, Hanamkonda



### Plant Yearly Report

Client Name: Assure Energy

Plant Name: Vaagdevi College

Plant Capacity (DC):	100.42	kWp
Plant Capacity (AC):	99	kW
Total Energy Generated:	38618.96	kWh
Specific Yield Energy:	1.05	kWh/kWp
Performance Ratio:	0	%
CUF:	4.45	%

Date	Total Yield [kWh]	Inverter 1 [kWh]	Inverter 2 [kWh]
Feb-19	1120.97	757.1	363.87
Mar-19	11755.85	7,935.30	3,820.55
May-19	8297.75	5,613.30	2,684.45
Jun-19	7079.31	4,663.60	2,415.71
Jul-19	10075.99	6,741.50	3,334.49
Aug-19	289.09	195.7	93.39



### Plant Yearly Report

Client Name: Assure Energy

Plant Name: Vaagdevi College

Plant Capacity (DC):	100.42	kWp
Plant Capacity (AC):	99	kW
Total Energy Generated:	2352.04	kWh
Specific Yield Energy:	0.06	kWh/kWp
Performance Ratio:	0	%
CUF:	0.27	%

Date	Total Yield [kWh]	Inverter 1 [kWh]	Inverter 2 [kWh]
Feb-20	2352.04	1,611.80	740.24



*A. Subhadra*

Principal  
VAAGDEVI DEGREE & P.G. COLLEGE  
Kishanpura, Hanamkonda.





### Plant Yearly Report

Client Name: Assure Energy

Plant Name: Vaagdevi College

Plant Capacity (DC):	100.42	kWp
Plant Capacity (AC):	99	kW
Total Energy Generated:	68046.42	kWh
Specific Yield Energy:	1.86	kWh/kWp
Performance Ratio:	0	%
CUF:	7.85	%

Date	Total Yield [kWh]	Inverter 1 [kWh]	Inverter 2 [kWh]
Jun-21	2745	1,848.11	896.89
Jul-21	9164.02	6,142.89	3,021.13
Aug-21	10608.1	7,125.40	3,482.78
Sep-21	10660.8	7,194.90	3,465.90
Oct-21	13595.9	9,182.20	4,413.70
Nov-21	9985.7	6,767.70	3,218.00
Dec-21	11286.9	7,721.50	3,565.40



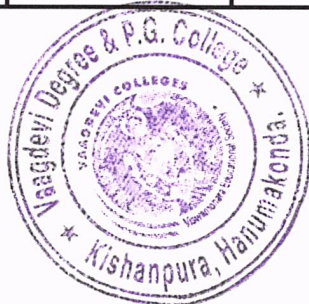
### Plant Yearly Report

Client Name: Assure Energy

Plant Name: Vaagdevi College

Plant Capacity (DC):	100.42	kWp
Plant Capacity (AC):	99	kW
Total Energy Generated:	71588.4	kWh
Specific Yield Energy:	3.67	kWh/kWp
Performance Ratio:	0	%
CUF:	8.25	%

Date	Total Yield [kWh]	Inverter 1 [kWh]	Inverter 2 [kWh]
Jan-22	11258.3	7,686.20	3,572.10
Feb-22	12498.5	8,622.40	3,876.10
Mar-22	13366	9,241.40	4,124.60
Apr-22	12918	8,580.10	4,190.70
May-22	13244.3	8,865.60	4,378.70
Jun-22	8303.3	5,567.70	2,735.60



*A. Subrahmanyan*  
Principal  
VAAGDEVI DEGREE & P.G. COLLEGE  
Kishanpura, Hanamkonda.

# 7.1.2

## Solar panel Bills



Assure/Vishambara/100Kwp/19  
28.02.2019

To,

Secretary & Correspondence,  
Vishambara Educational Society,  
Hanmakonda,  
Warangal Dist.

Dear Sir,

SUB: Work completion and handing over of 100 Kwp Solar power plant – Reg

We thank you very much for the opportunity for setting up 100 Kwp Grid connected solar power plant at your college, we are hereby confirming that we have successfully completed the installation and commissioning the power plant and hereby handing over the power plant for your usage.

We request to arrange us the payment, we bring to your notice that we have received Rs.800000.00 against total amount of Rs.33,00,000.00 plus subsidy amount balance amount to be paid Rs.25,00,000.00

We have connected wi fi also, please note the details.

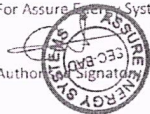
ID: [assureenergysystem@gmail.com](mailto:assureenergysystem@gmail.com)  
Password: Solar30.

We request to arrange us LAN cable till the inverter so that we can avoid SIM.

Thanking you,

For Assure Energy System,

Authorised Signatory



*Handwritten notes:*  
B-1500000  
A/c no-02  
Ch.No-636088  
18-3-19  
B-10,00,000  
A/c no-03  
Ch.No-053810  
18-3-19  
Received by  
Kishan Reddy  
18/3/19  
8341911266

TIN No: 36527603795

H.O.: No.51, Aruna Enclave, Trimulgherry, Secunderabad - 500015.

E-mail: [assureenergysystem@gmail.com](mailto:assureenergysystem@gmail.com) Phone: 040-40145011

Service Tax No: ADYPN14178D001

B.O.: 8/68, Padmavathi Puram, Thiruchanoor Road, Tirupathi, Andhra Pradesh - 517501

E-mail: [assureenergysystem@gmail.com](mailto:assureenergysystem@gmail.com) Phone: 9866244157



*Handwritten signature:* A. Subrahman

Principal  
Vaagdevi Degree & P.G. College  
Kishanpura, Hanamkonda.

Tax Invoice

<b>Assure Energy System</b> No. 51, Aruna Enclave, Trimulgherry, Secunderabad Pin: 500 015, Telangana State, Ph: 040-40145011. Web: www.assureenergy.in PAN NO: ADYPN1417B GSTIN/UIN: 36ADYPN1417B1ZK State Name: Telangana, Code: 36 E-Mail: assureenergysystem@gmail.com	Invoice No. <b>AES/HYD/INV/261</b> Delivery Note	Dated <b>29 Jul 2018</b> Mode of Payment Cheque
Consignee <b>VISWAMBHARA EDUCATIONAL SOCIETY</b> # 2-2-457/3, RAMNAGAR, HANAMKONDA, WARANGAL - 508001. State Name: Telangana, Code: 36	Supplier <b>Assure Energy System</b> AES/HYD/INV/261 Buyer's Order No. <b>001</b>	Dated <b>28-Jul-2018</b> Delivery Note Date
Buyer (if other than consignee) <b>VISWAMBHARA EDUCATIONAL SOCIETY</b> # 2-2-457/3, RAMNAGAR, HANAMKONDA, WARANGAL - 508001. State Name: Telangana, Code: 36	Dispatch Document No. <b>001</b> Destination	Despatched through <b>By Vehicle</b> Terms of Delivery <b>CHEQUE NO. 062240</b> <b>AMT: 44,35,200/-</b> <b>DATE: 07-08-2018</b> <b>BANK: STATE BANK OF INDIA</b>

SI	Description of Goods and Services	HSN/SAC	GST Rate	Quantity	Rate per	Amount
1	99KWp SOLAR COMPACT SYSTEM	8541	5%	1 No's	57,48,571.00	57,48,571.00
2	Installation & Commissioning Charges	98199090	18%			2,54,237.00
						60,02,808.00
	C.GST@2.5%				2.50%	1,43,714.28
	S.GST@2.5%				2.50%	1,43,714.28
	C.GST@9%				9%	22,881.33
	S.GST@9%				9%	22,881.33
	Round Off					0.78
Total				1 No's		₹ 63,36,000.00

Amount Chargeable (in words) **INR Sixty Three Lakh Thirty Six Thousand Only** E & O E

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
8541	57,48,571.00	2.50%	1,43,714.28	2.50%	1,43,714.28	2,87,428.56
98199090	2,54,237.00	9%	22,881.33	9%	22,881.33	45,762.66
	Total		1,66,595.61		1,66,595.61	3,33,191.22

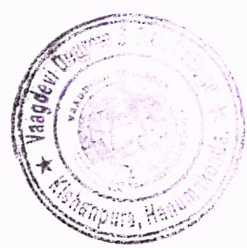
Tax Amount (in words) **INR Three Lakh Thirty Three Thousand One Hundred Ninety One and Twenty Two paise Only**

Company's Service Tax No.: **ADYPN1417BSD001**  
 Company's PAN: **ADYPN1417B**

Declaration  
 We declared that the particulars given above are true & correct & the amount indicated represents the price actually charged and that there is no flow of additional consideration directly or indirectly from the buyer Terms & Conditions  
 1) Interest @ 24% per annum will be charged on payment beyond our payment terms  
 2) Subject to Hyderabad Jurisdiction 3 E & O E

Customer's Seal and Signature

H.O.: No.51, Aruna Enclave, Trimulgherry, Secunderabad - 500015  
 E-mail: assureenergysystem@gmail.com Phone: 040-40145011  
 B.O.: 3/68, Padmavathi Puram, Thiruchanoor Road, Tirupathi, Andhra Pradesh - 517501  
 E-mail: assureenergysystem@gmail.com Phone: 9866244157



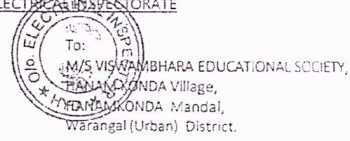
*A. Subrahmanyan*

Printed!  
**Vaagdevi Degree & P.G. College**  
 Kishanpura, Hanamkonda



GOVERNMENT OF TELANGANA  
ELECTRICAL INSPECTORATE

From:  
The Electrical Inspector  
Hyderabad  
Stone Building, Mint Compound,  
Hyderabad 500 053.



Lr.No: EI-HYD/TS/EI Ex. 650V/3B4/WGL/D.No: 484/19 Dated: 20-02-2019.

Sir

Sub: The Electricity Act, 2003 and Central Electricity Authority (Measures relating to Safety and Electric Supply Regulations 2010 – Installation of Voltage Exceeding 650V of M/s VISWAMBHARA EDUCATIONAL SOCIETY, HANAM KONDA Village, HANAMKONDA Mandal, Warangal (Urban) District. Statutory Approval under Section 54 of the Electricity Act-2003 and Regulation 43(4) of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010- Accorded.

- Ref: 1. Inspection dated: 15-02-2019  
2. Your letter Received on dated: 20-02-2019.

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Under Section 54 of the Electricity Act-2003 and Regulation 43(4) of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, the following equipment of your Electrical Installation of voltage Exceeding 650V are approved for energisation.

AS PER ANNEXURE ENCLOSED

Under Regulation 43(4) of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, any additions or alteration in your above Electrical Installation shall not be connected to supply until the same are approved in writing by this office and offer for annual inspection under Regulation 30 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 every year to the concerned Deputy Electrical Inspector.

Under Regulation 13(4), 46(7) of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, you are at all times solely responsible for the maintenance of the above installation in such condition as to be free from danger.

The above approval accorded is without prejudice to the statutory/ mandatory obligations to be fulfilled by you under various other acts and rules as the case may be.

The approval accorded for energizing the electrical equipment is the safety for men and machine from electrical hazards in your installation and ipso facto does not confer any right to be used for any other purpose other than for which the approval is accorded.

The original manufacturer Test certificates of Transformer etc. are accepted and returned.

Yours faithfully

ELECTRICAL INSPECTOR  
HYDERABAD

Encl: Test Certificates & List of Load Particulars

- 1) Copy to the Divisional Engineer/Operation/TSNPDCL, Warangal. The date of release of supply may be intimated to Deputy Electrical Inspector, Warangal, Sub-Division  
2) Copy to the Deputy Electrical Inspector, Warangal Sub-Division along with enclosures.



*A. Sachchidanand*

Principal  
Vaagdevi Degree & P.G. College  
Kishanpura, Hanamkonda.

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

From  
Divisional Engineer,  
Operation, Hanamkonda Town.

To  
Vishwambara Education Society,  
Lashkar Singaram, Nainnagar

L. No. DEE/OP/HNK T/AE/COML/F.No. Solar Roof Top/D.No. 627 /18, Dt: 19.05.2018

Sub - Electy. - Operation - Division- HNK T- Installation of 100KW Solar Top SPV Generator - Vishwambara Education Society, Sc No WLU-078 (WGL-127), HT Cat-II, Lashkar Singaram, Nainnagar Section in Hanamkonda Sub division - Feasibility issued-Reg.


- Ref: 1) Memo No. CGM (IPC&RAC)/ GM(PIR) / DE(IPC) / ADE(IPC) / F / D.No 156/17, dt 25.05.2017  
2) Online Registration No. SNM-90000170, dt: 03.12.2018

In the reference 2<sup>nd</sup> cited above, an application for installation of 100KW Solar Top SPV Generator to Vishwambara Education Society, Sc No WLU-078, (WGL-127), HT Cat-II, Lashkar Singaram, Nainnagar Section in Hanamkonda Sub-division is registered through online. The service is inspected and found feasible.

Hence feasibility is approved vide Solar Roof - Top SRT No. 02 / 18-19, Dt: 19.05.2018, which is valid for a period of four Months.

You are further requested to approach this office with relevant documents (Meter, SPV modules, Grid Tie Inverter, Protective System) after completion of installation of SPV Generator and obtaining CEIG Approval, for further processing.

Yours Faithfully,

  
Divisional Engineer,  
Operation, Hanamkonda Town.

Copy to the Asst. Divisional Engineer, Distribution, Hanamkonda

Copy submitted to the Superintending Engineer, Operation, Warangal Urban

*A. Subhadra*



Principal  
Vaagdevi Degree & Arts College  
Kishanpura, Hanamkonda.

Wheeling to Grid



NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

Bill for the month of Jan 2016 Dated 15/02/2016

<b>Payable on or before</b>	
Contacted MD (KVAHP)	MGL 1227
Specified Voltage (KV)	VISHAMBARA EDU. SOCIETY - MGL
Actual Voltage (KV)	VISHAMBARA EDUCATION SOCIETY
Category	LAKSHAR SINGARAM NAIMHAGAR HBF, WARANGAL

Reading on	21115	21115	21115	21115	21115
Reading on	19115	19115	19115	19115	19115
Difference	2000	2000	2000	2000	2000
Multiplying Factor	1.00	1.00	1.00	1.00	1.00
Total Consumption	2000	2000	2000	2000	2000
Monthly Minimum Consumption Main					

		Colony		L & F	
		Rs.	Ps.	Rs.	Ps.
Demand Charges	Normal rate	Rs.	1000	for	KVA
	Addl. Charge at	Rs.	1000	for	KVA
Energy Charges	For all Units	Ps.	1000	for	KVAH
	For units consumed	Ps.	1000	for	KVAH
	Addl. Charges at	Ps.	1000	for	KVAH
	Flat Rate	Ps.	1000	for	KVAH
Spl. rates if any					
	Colony rate	Ps.	1000	for	KVAH
	L & F rate	Ps.	1000	for	KVAH
Energy Charges include Fuel Surcharge Adj		Ps.	1000	for	Per KWH

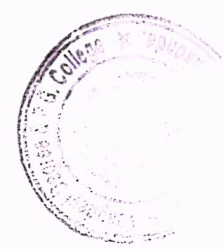
Sub Total	176857.00
Customer Charges	0.00
Low Power Factor Surcharge	0.00
Transformer Hire Charge	0.00
Capacitor Surcharges	0.00
Late payment Charges	0.00
<b>Bill Amount</b>	<b>176857.00</b>

Principal  
**Vaagdevi Degree & P.G. College**  
 Kishanpura, Hanamankonda

Senior Accounts Officer

Please quote your Carte No. in all correspondence

Rs. 1,76,857/-  
 Date: 01  
 Ch. No. - 199525  
 = 2 FEB 2016



*A. Subhadra*  
 Principal  
**Vaagdevi Degree & P.G. College**  
 Kishanpura, Hanamankonda.